

AMENDMENT TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Previously Presented). A method for managing information, comprising:
modeling a first plurality of information entities, including a first entity and a second entity, using
a first logical model;
converting said logical model into a first concept centric subject model (derived subject model);
converting said first derived subject model into a first physical model; and
mapping at least one relationship between said first entity and said second entity of said first
plurality of information entities based upon said first physical model.
2. (Original). The method of claim 1, said first logical model comprising at least one of
a central concept entity, a static attribute entity, a dynamic attribute entity, an
activities/events entity.
3. (Original). The method of claim 1, said first derived subject model comprising at
least one of a core component, and at least one of a plurality of customized group
components.
4. (Original). The method of claim 1, further comprising:
analyzing said first plurality of information entities using applications based upon input of said
first logical model.
5. (Original). The method of claim 4, said applications comprising at least one of
statistics, a report generator, an On Line Analytical Processing (OLAP) package, and a
data mining application.
6. (Original). The method of claim 1, mapping at least one relationship between said
first entity and said second entity of said first plurality of information entities based upon
said first physical model comprises:
creating metadata information for said models; and

saving said metadata information in a repository.

7. (Original). The method of claim 1, further comprising:
modeling a second plurality of information entities, including a first entity and a second entity,
using a second logical model;
converting said second logical model into a second derived subject model;
converting said second derived subject model into a second physical model; and
mapping at least one relationship among said first entity and said second entity of said second
plurality of information entities based upon said second physical model.
8. (Original). The method of claim 7, further comprising:
analyzing said first plurality of information entities and said second plurality of information
entities using applications based upon input from said first logical model and said second
logical model, said applications deriving new relationships between said first plurality of
information entities and said second plurality of information entities.
9. (Canceled).
10. (Previously Presented). A computer program product for managing information, said
computer program product comprising:
code that models a first plurality of information entities, including a first entity and a second
entity, using a first logical model;
code that converts said logical model into a first concept centric subject model (derived subject
model);
code that converts said first derived subject model into a first physical model;
code that maps at least one relationship among said first entity and said second entity of said first
plurality of information entities based upon said first physical model; and
a computer readable storage medium for holding the codes.
11. (Original). The computer program product of claim 10, said first logical model
comprising at least one of a central concept entity, a static attribute entity, a dynamic
attribute entity, an activities/events entity.

12. (Original). The computer program product of claim 10, said first derived subject model comprising at least one of a core component, and at least one of a plurality of customized group components.
13. (Original). The computer program product of claim 10 further comprising:
code that analyzes said first plurality of information entities using applications based upon input of said first logical model.
14. (Original). The computer program product of claim 13, said applications comprising at least one of statistics, a report generator, an On Line Analytical Processing (OLAP) package, and a data mining application.
15. (Original). The computer program product of claim 10, wherein said code that maps at least one relationship between said first entity and said second entity of said first plurality of information entities based upon said first physical model comprises:
code that creates metadata information for said models; and
code that saves said metadata information in a repository.
16. (Original). The computer program product of claim 10, further comprising:
code that models a second plurality of information entities, including a first entity and a second entity, using a second logical model;
code that converts said second logical model into a second derived subject model;
code that converts said second derived subject model into a second physical model; and
code that maps at least one relationship among said first entity and said second entity of said second plurality of information entities based upon said second physical model.
17. (Original). The computer program of claim 16, further comprising:
code that analyzes said first plurality of information entities and said second plurality of information entities using applications based upon input from said first logical model and said second logical model, said applications deriving new relationships between said first plurality of information entities and said second plurality of information entities.

Claims 18-19 (Canceled).

20. (Previously Presented). An apparatus for managing information, comprising:
a processor; and
a memory;
wherein said processor is operative to model a first plurality of information entities, including a first entity and a second entity, using a first logical model; said processor is further operative to convert said logical model into a first concept centric subject model (derived subject model); and to convert said first derived subject model into a first physical model; and thereupon to map at least one relationship between said first entity and said second entity of said first plurality of information entities based upon said first physical model; wherein said first entity and said second entity are stored in said memory.
21. (Original). The apparatus of claim 20, said first logical model comprising at least one of a central concept entity, a static attribute entity, a dynamic attribute entity, an activities/events entity.
22. (Original). The apparatus of claim 20, said first derived subject model comprising at least one of a core component, and at least one of a plurality of customized group components.
23. (Original). The apparatus of claim 20, wherein said processor is further operative to analyze said first plurality of information entities using applications based upon input of said first logical model.
24. (Original). The apparatus of claim 23, said applications comprising at least one of statistics, a report generator, an On Line Analytical Processing (OLAP) package, and a data mining application.
25. (Original). The apparatus of claim 20, wherein said processor is operative to:
create metadata information for said models; and
save said metadata information in a repository when said processor maps at least one relationship between said first entity and said second entity of said first plurality of information entities based upon said first physical model.

26. (Original). The apparatus of claim 20, wherein said processor is further operative to:
model a second plurality of information entities, including a first entity and a second entity, using
a second logical model;
convert said second logical model into a second derived subject model;
convert said second derived subject model into a second physical model; and
map at least one relationship among said first entity and said second entity of said second
plurality of information entities based upon said second physical model.

27. (Original). The apparatus of claim 26, wherein said processor is further operative to:
analyze said first plurality of information entities and said second plurality of information entities
using applications based upon input from said first logical model and said second logical
model, said applications deriving new relationships between said first plurality of
information entities and said second plurality of information entities.

28. (Previously Presented). A client apparatus, comprising:
a processor;
a memory; and
a display; wherein said processor causes said display to:
display a first logical model, said first logical model modeling a first plurality of information
entities, including a first entity and a second entity;
display a first concept centric subject model (derived subject model), said first derived subject
model obtained from said logical model;
display a first physical model, said first physical model obtained from said first derived subject
model; wherein at least one relationship between said first entity and said second entity of
said first plurality of information entities exists based upon said first physical model.

29. (Original). The apparatus of claim 28, said first logical model comprising at least
one of a central concept entity, a static attribute entity, a dynamic attribute entity, an
activities/events entity.

30. (Original). The apparatus of claim 28, said first derived subject model comprising at
least one of a core component, and at least one of a plurality of customized group
components.

31. (Original). The apparatus of claim 28, wherein said processor is further operative to display a result obtained from analyzing said first plurality of information entities using applications based upon input of said first logical model.
32. (Original). The apparatus of claim 31, said applications comprising at least one of statistics, a report generator, an On Line Analytical Processing (OLAP) package, and a data mining application.
33. (Original). The apparatus of claim 28, wherein said processor is operative to: display a result obtained from creating metadata information for said models; and saving said metadata information in a repository when said processor maps at least one relationship between said first entity and said second entity of said first plurality of information entities based upon said first physical model.
34. (Original). The apparatus of claim 28, wherein said processor is further operative to: display a second logical model, said second logical model modeling a second plurality of information entities, including a first entity and a second entity; display a second derived subject model obtained from said second logical model; display a second physical model obtained from said second derived subject model; wherein at least one relationship among said first entity and said second entity of said second plurality of information entities exists based upon said second physical model.
35. (Original). The apparatus of claim 34, wherein said processor is further operative to: display a result obtained from analyzing said first plurality of information entities and said second plurality of information entities using applications based upon input from said first logical model and said second logical model, said applications deriving new relationships between said first plurality of information entities and said second plurality of information entities.

Claims 36-45 (Canceled).

46. (Previously Presented). The method of claim 1, further comprising: retrieving metadata information comprising the derived subject model from a repository; creating at least one of a plurality of commands based upon said metadata information;

sending said at least one of a plurality of commands to a database;
providing information received from said database responsive to said at least one of a plurality of commands to at least one of a plurality of applications; and
creating at least one of a plurality of reports from a result of said at least one of a plurality of applications.

47. (Original). The method of claim 46, wherein said metadata information comprises at least one of a model, a mapping, a derived attributes definition, and a profiling definition.

48. (Previously Presented). The computer program product of claim 10, further comprising:
code that retrieves metadata information comprising the derived subject model from a repository;
code that creates at least one of a plurality of commands based upon said metadata information;
code sends said at least one of a plurality of commands to a database;
code that provides information received from said database responsive to said at least one of a plurality of commands to at least one of a plurality of applications; and
code that creates at least one of a plurality of reports from a result of said at least one of a plurality of applications-

49. (Previously Presented). The apparatus of claim 20:
wherein said processor is operative to retrieve metadata information comprising the derived subject model from a repository; create at least one of a plurality of commands based upon said metadata information; send said at least one of a plurality of commands to a database; provide information received from said database responsive to said at least one of a plurality of commands to at least one of a plurality of applications; and create at least one of a plurality of reports from a result of said at least one of a plurality of applications.

50. (Previously Presented). The apparatus of claim 28,
wherein said processor causes said display to display at least one of a plurality of reports from a result of at least one of a plurality of applications acting upon information received from a database responsive to at least one of a plurality of commands created based upon a metadata information comprising the derived subject model retrieved from a repository.

51. (New). A method for managing information, comprising:

modeling a plurality of information entities, including a first entity and a second entity, with a multi-subject logical model;
determining from the multi-subject logical model a first derived subject model having a first centric concept selected from the first entity and a second entity and a second derived subject model having a second centric concept selected from the first entity and a second entity;
determining from the first derived subject model and the second derived subject model, at least one physical model; and
mapping at least one relationship between the first entity and the second entity based upon the at least one physical model.

52. (New). The method of claim 1, wherein determining from the multi-subject logical model a first derived subject model having a first centric concept selected from the first entity and a second entity and a second derived subject model having a second centric concept selected from the first entity and a second entity, comprises:

determining a product centric derived subject model from a multi-subject logical model.

53. (New). The method of claim 1, wherein determining from the multi-subject logical model a first derived subject model having a first centric concept selected from the first entity and a second entity and a second derived subject model having a second centric concept selected from the first entity and a second entity, comprises:

determining a customer centric derived subject model from a multi-subject logical model.

54. (New). The method of claim 1, wherein determining from the first derived subject model and the second derived subject model, at least one physical model comprises:

determining from the first derived subject model and the second derived subject model, at least one physical model comprising a database schema for populating a database.

55. (New). The method of claim 1, wherein mapping at least one relationship between the first entity and the second entity based upon the at least one physical model comprises:

mapping at least one relationship between the first entity and the second entity into a database based upon the at least one physical model.

56. (New). The method of claim 1, wherein determining from the first derived subject model and the second derived subject model, at least one physical model comprises:
dynamically deriving attributes and profiles from static data in the plurality of
information entities to create a star schema physical model.
57. (New). The method of claim 55, further comprising:
providing the star schema as a multidimensional cube report.